

# BETEC® 350

Waterproof cementitious compound for sealing tie-bar holes.

## Description

BETEC® 350 is a single component cementitious compound which is polymer modified and fibre reinforced. It is a rapid setting, high strength, waterproof compound used to seal tie-holes that are created by formwork tie bars.

## Advantages

- Rapidly sets in 30 minutes at 20°C.
- Waterproof, able to withstand 10 bar pressure.
- High bond strength to substrate
- Shrinkage compensated.
- Low permeability due to polymer modification.
- Fibre reinforcement improves strength.

## Applications

### Storage

Store in dry, frost free conditions in unopened containers. Do not allow to freeze.

## Substrate Preparation

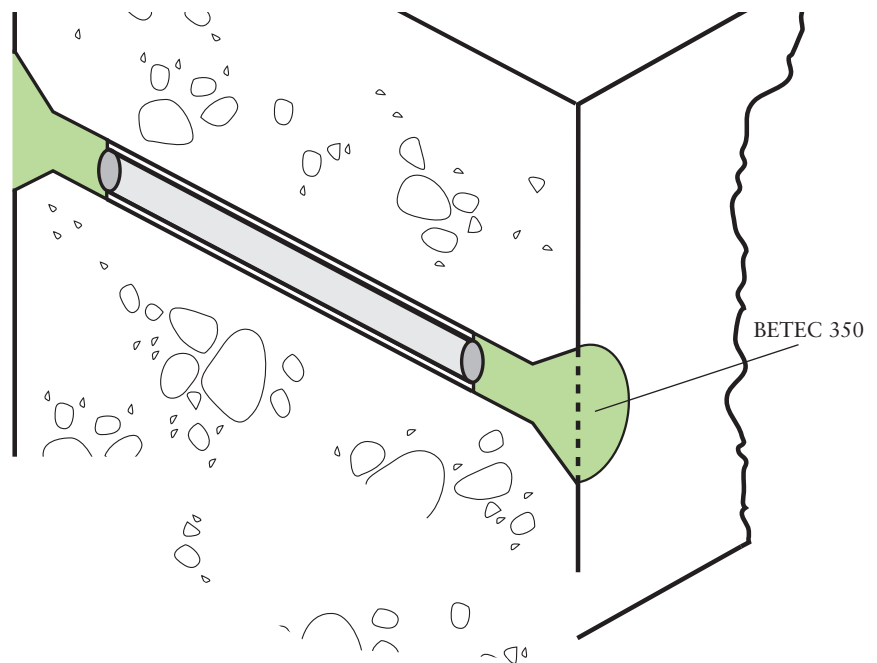
The area must be free from dust; oil, grease, dirt and all loose material. Smooth surfaces should be roughened by mechanical wire brushing or similar. Any remaining plastic sleeve must be either removed entirely or cut back and removed 40-50 mm from the concrete face. The tie bar hole should then be plugged with a compressible stopper. The tie-hole should be saturated with clean water and any excess surface water removed. Use warm water if the concrete is new.

## Mixing

Only mix a sufficient amount that can be used within a 20 minute working life. Mix at a powder to water mix ratio of 6:1 by volume. Always add powder to water. If mixing quantities of less than 2 kg, mixing can be done by manually. Mix for 4-5 minutes and ensure the powder is fully mixed in. For larger quantities use an MR2 paddle mixer with a slow speed drill. Mix thoroughly for 2-3 minutes to achieve a homogeneous mix.

## Placing

Apply by hand (always wear protective gloves) or with a trowel. Ensure the compound is well compacted into the tie-bar hole.



BETEC 350 to tie-bar hole

## Supply

Pack Size:	8 kg
Yield:	4 litres per 8 kg pack
Coverage (26 mm diameter tie bar):	110 holes per 8 kg pack.

### Physical Properties

Mixed Colour:	Grey
Mixed Density:	2150 kg/m <sup>3</sup>
Min. Application Thickness:	5 mm
Max. Application Thickness:	50 mm
Min. Application Temperature:	5°C
Max. Application Temperature:	35°C
Working Life:	20 minutes at 20°C

### Compressive Strength:

1 hour:	8.0 N/mm <sup>2</sup>
1 day:	38.0 N/mm <sup>2</sup>
7 days:	50.0 N/mm <sup>2</sup>
28 days:	60.0 N/mm <sup>2</sup>

### Curing

Normal concreting procedures must be followed. The surface of the compound must be protected from strong sunlight and drying winds using polythene sheeting, damp Hessian or similar.

### Cleaning

All tools should be cleaned with water immediately following use

### Health and Safety

Read the product label and Material Data Sheets (MSDS's) before use. Users must comply with all risk and safety phrases. MSDS's can be obtained from Grace Construction Products or from our web site at [www.graceconstruction.com](http://www.graceconstruction.com)

 Visit our web site at [www.graceconstruction.com](http://www.graceconstruction.com)

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